

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE -11
Breezy Point, Queens
GPS latitude N40.33'27.0 W 073.55'57.9
UTM Coordinates 0590353 4490182
Geri Kobryn-Blatter, Jen and Liz at Ecology Village,
National Parks Service Rangers

Location: Breezy Point, Queens, Jamaica Bay

Sampling site: Beach area – 21 meters of beach sand to the water

Surrounding Uses: 100% beach

Area: Bay side of Breezy Point facing north towards Coney Island – all beach

River Bottom: sandy

Plants in area: Sea Rocket, Russian Thistle/saltwort, Tree of Heaven, Beach grass, Cocklebur, Winged pigweed

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:11 AM	22° C	10:20 AM	22° C
Wind Speed	6-9 mph	8 knots	ESE	
Cloud Cover	Clear			
Weather yesterday	Warm and clear			
<i>Water Temperature</i>	10:11 AM	20.5° C 20.5° C 20.5° C		Average 20.5° C
<i>Water Calm</i>	yes			
<i>Turbidity</i>	10:37 AM	54 cm 44.6 cm 69.2 cm		Site tube
<i>Chlorophyll</i>	10:55 AM	0.1		
<i>Chemical</i>				
DO (Hach DR820 colorimeter)	10:25 AM	4.0 mg/L	Temp. 20.5° C	43% saturated
pH	10:10AM	7.0	7.0	7.0
Phosphate	n/a			
Nitrate	n/a			
Alkalinity	n/a			
Salinity (hydrometer)	10:14 AM	Specific Gravity 1.013 1.012 1.012	Salinity Conversion 18 ppt 16.7 ppt 16.7 ppt	Average 17.3 ppt

<i>Fish Catch – 12 ft. X 4 ft. seine/10 ft. pull</i>	<i>Number Caught</i>	<i>Species</i>		<i>Seine net</i>
3 pulls	112	Atlantic Silversides		Fish total 115
	3	Atlantic menhaden		
	7	Bivalves (mussels)		OTHER
<i>Seine Pull</i>	<i>Time</i>	<i>Total caught</i>	<i>Length of pull</i>	<i>CPUE</i>
#1	10:05 AM	22	10 ft.	
#2	10:30 AM	43	10 ft.	
#3	10:45 AM	50	10 ft.	
<i>Tides</i>	10:00 AM	5 cm	Rising	
	10:15 AM	15 cm	Rising	
	10:30 AM	19 cm	Rising	
	10:45 AM	24 cm	Rising	
	11:00 AM	33 cm	Rising	
<i>Currents</i>				
	4.7m/60secs			Ebb
	6m/60 secs			Ebb
	5m/60 secs			
<i>Core- 11:02 AM</i>	7 inches length	Abundant – sand	Rare – Shells/oysters	Water depth – 3 feet